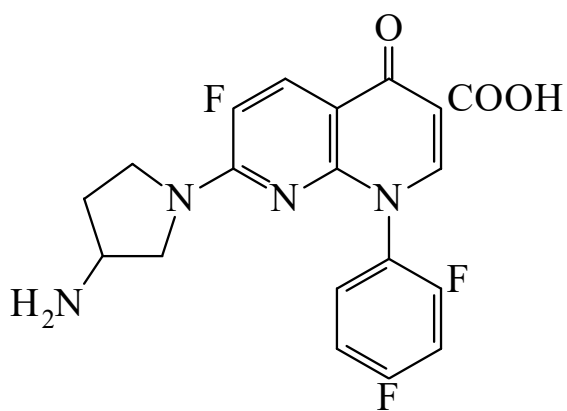




>>Entry Name: **Tosufloxacin**, INN, USAN

Synonym(s): 7-(3-Amino-1-pyrrolidinyl)-1-(2,4-difluorophenyl)-6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid, 9Cl. A 61827



CAS Registry Number: 108138-46-1

Extra CAS Registry Numbers(s): 100490-36-6

Molecular Formula: C₁₉H₁₅F₃N₄O₃

Molecular Weight: 404.348

Accurate Mass: 404.109625

Percentage Composition: C 56.44%; H 3.74%; F 14.10%; N 13.86%; O 11.87%

Use/Importance: Antibacterial agent

Development Status: Launched 1990

Calculated Log P Data: Log P -0.78 (calc)

Other Data: Use limited by poor water solubility

>>Variant: (±)-form

Molecular Formula: C₁₉H₁₅F₃N₄O₃

Molecular Weight: 404.348

Accurate Mass: 404.109625

Percentage Composition: C 56.44%; H 3.74%; F 14.10%; N 13.86%; O 11.87%

>>Derivative: Hydrochloride

Synonym(s): A60969

CAS Registry Number: 104051-69-6

Melting Point: Mp 275°

>>Derivative: 4-Methylbenzenesulfonate

CAS Registry Number: 115964-29-9

References:

Chu, D.T.W. *et al.*, *J. Med. Chem.*, 1986, **29**, 2363, (*synth, activity*)

Fernandes, P.B. *et al.*, *Antimicrob. Agents Chemother.*, 1988, **32**, 27, (*pharmacol*)

Noumi, T. *et al.*, *Antimicrob. Agents Chemother.*, 1990, **34**, 949

Todo, Y. *et al.*, *Chem. Pharm. Bull.*, 1994, **42**, 2049, (*bibl*)